## 12 Square Rectangles

## Aim

To provide students with the opportunity to explore the properties of numbers.

## Materials

Squares (enough for 21 per student or pair of students)

## Process

Demonstrate to students how to make a rectangles using the squares. Eg using 10 demonstrate that you can make a 1x10 or a 2x5 (5x2 is regarded as the same rectangle)

Ask students to find out how many rectangles you can make for the following numbers

**12, 21, 16, 9, 17**

During **discussion** talk about - factors, how shape does not affect area, square numbers, prime numbers.

There may be a teaching opportunity because many students do not recognize that a square is a rectangle (talk about the properties of a rectangle does a square have those properties?)